Multiplicar Tres Polinomios (H)

Simplifique cada expresión.

1. $-7p(7p^3 - 6p^2 - p)(5p^4 - 6p^3 - 3p^2)$

2. $7z^4(-2z^4 + z^3 - 5z^2)(2z^4 + 2z^3)$

3. $(-3f - 4)(-3f^3 - 4f^2)(-9f^5 - 7f^4 + 3f^3)$

4. $(4c^4 - 9c^3)(8c^5 + 7c^4)(c^2 + 8c)$

5. $(5t^2 + 6t)(-6t^4 + 3t^3 + 4t^2)(7t^3 + 9t^2 + 7t)$

Multiplicar Tres Polinomios (H) Respuestas

Simplifique cada expresión.

1. $-7p(7p^3 - 6p^2 - p)(5p^4 - 6p^3 - 3p^2)$
$= -245p^8 + 504p^7 - 70p^6 - 168p^5 - 21p^4$

2. $7z^4(-2z^4 + z^3 - 5z^2)(2z^4 + 2z^3)$
$= -28z^{12} - 14z^{11} - 56z^{10} - 70z^9$

3. $(-3f - 4)(-3f^3 - 4f^2)(-9f^5 - 7f^4 + 3f^3)$
$= -81f^9 - 279f^8 - 285f^7 - 40f^6 + 48f^5$

4. $(4c^4 - 9c^3)(8c^5 + 7c^4)(c^2 + 8c)$
$= 32c^{11} + 212c^{10} - 415c^9 - 504c^8$

5. $(5t^2 + 6t)(-6t^4 + 3t^3 + 4t^2)(7t^3 + 9t^2 + 7t)$
$= -210t^9 - 417t^8 - 133t^7 + 363t^6 + 482t^5 + 168t^4$